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STRUCTURE FILE UPDATES: 11 SEP 2006 HIGHEST RN 906423-10-7
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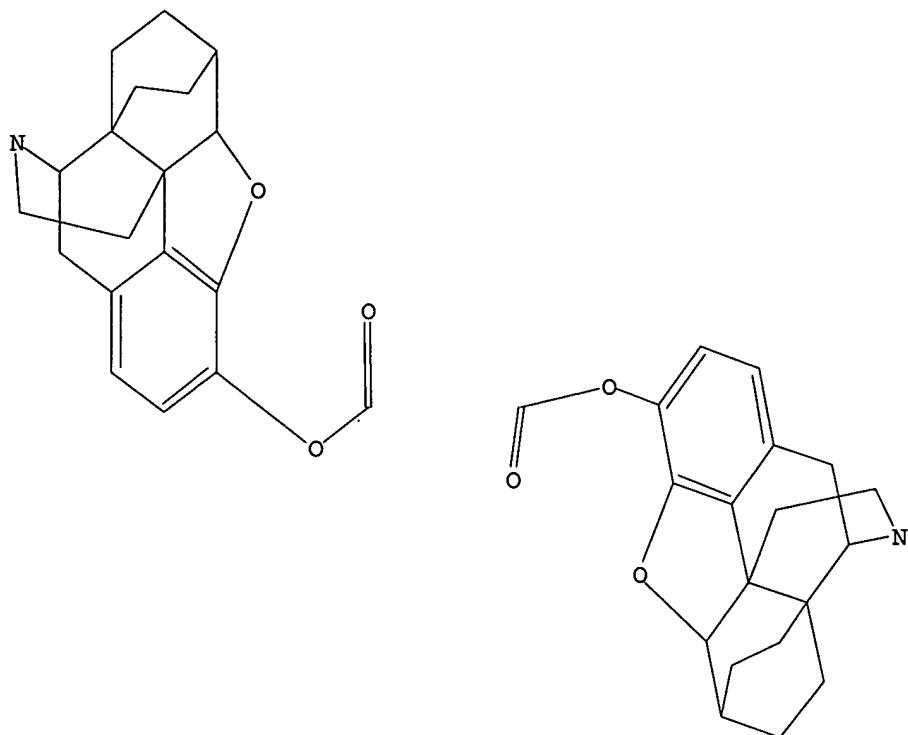
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10645557-2.str

L5 STRUCTURE UPLOADED

=> d 15
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 10 TO ITERATE

100.0% PROCESSED 10 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 11 TO 389
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

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FULL SCREEN SEARCH COMPLETED - 154 TO ITERATE

100.0% PROCESSED 154 ITERATIONS 2 ANSWERS
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L3 2 S L1 FUL

FILE 'CAPLUS' ENTERED AT 11:40:00 ON 12 SEP 2006
L4 2 S L3

FILE 'REGISTRY' ENTERED AT 11:42:49 ON 12 SEP 2006
L5 STRUCTURE uploaded
L6 0 S L5
L7 2 S L5 FUL

=> s l7 not l3
L8 0 L7 NOT L3

<http://www.cas.org/infopolicy.html>

=> s 13

L4 2 L3

=> d abs bib hitstr 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Claimed are buprenorphine monocarboxylates I [R = linear or branched (un)saturated aliphatic group optionally substituted with aryl, or aryl optionally substituted with linear or branched (un)saturated aliphatic group; with the proviso that R is not selected from Me, Et, Pr, Bu, pentyl, hexyl, CH(Me)2], and buprenorphine dicarboxylic acid diesters II [R1 = divalent group derived from (un)saturated aliphatic group optionally substituted

with Ph], which exert a longer analgesic effect as compared with buprenorphine hydrochloride. Also claimed are the processes for preparation of I and II, and long-acting analgesic pharmaceutical compns. containing ≥ 1 selected from buprenorphine, I, and II and oily vehicles, and a method to bring analgesia by administering the compns. to animals or human. A composition containing II (R1 = sebacyl), prepared from buprenorphine

(HCl) and sebacyl chloride, and sesame oil exhibited analgesic duration for 96 h at 0.3 μ mol/kg i.m.

AN 2004:512395 CAPLUS

DN 141:59722

TI Buprenorphine monocarboxylic or dicarboxylic acid derivatives, their preparations, long-acting analgesic compositions containing them, and analgesia using them

IN Wang, Jhi-Joung

PA Chimei Hospital, Taiwan

SO Jpn. Kokai Tokkyo Koho, 86 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

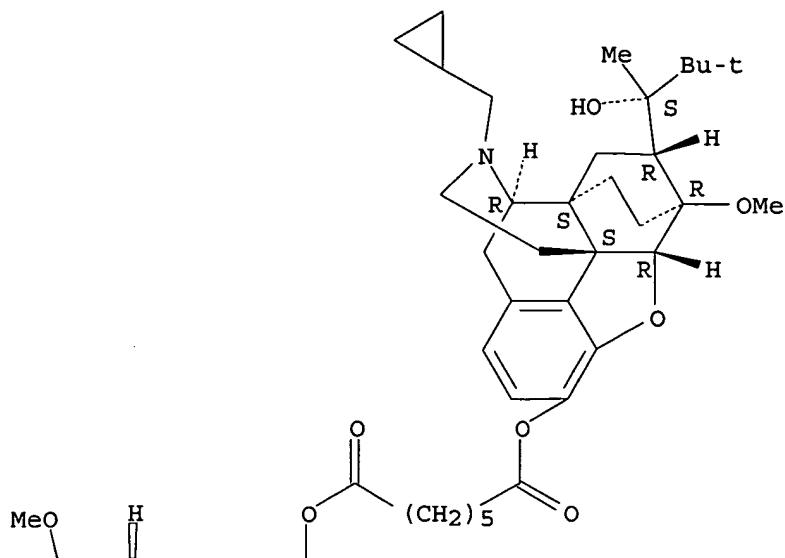
FAN.CNT 1

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PI	JP 2004175706	A2	20040624	JP 2002-342688	20021126
PRAI	JP 2002-342688		20021126		
OS	MARPAT 141:59722				
IT	693242-79-4P, Dibuprenorphine pimelate 693242-80-7P, Dibuprenorphine sebacyl ester				
	RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(preparation of buprenorphine monocarboxylic or dicarboxylic acid esters and long-acting analgesic compns. containing them)				
RN	693242-79-4 CAPLUS				
CN	6,14-Ethenomorphinan-7-methanol, 3,3'-(1,7-dioxo-1,7-heptanediy)bis(oxy)bis[17-(cyclopropylmethyl)- α -(1,1-				

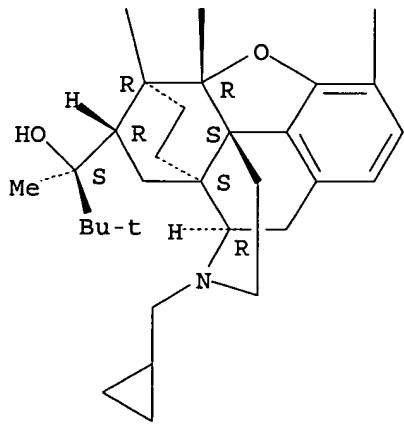
dimethyllethyl)-4,5-epoxy-18,19-dihydro-6-methoxy- α -methyl-,
 $(\alpha S, 5\alpha, 7\alpha) - (\alpha' S, 5'\alpha, 7'\alpha) -$ (9CI) (CA
INDEX NAME)

Absolute stereochemistry.

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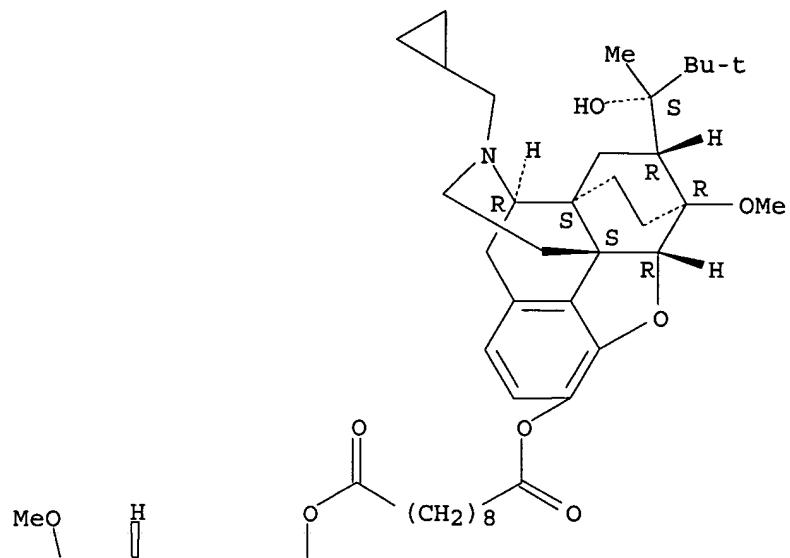


RN 693242-80-7 CAPLUS
CN 6,14-Ethenomorphinan-7-methanol, 3,3'-[(1,10-dioxo-1,10-decanediyl)bis(oxy)]bis[17- (cyclopropylmethyl) - α - (1,1-dimethyllethyl) -4,5-epoxy-18,19-dihydro-6-methoxy- α -methyl-,
 $(\alpha S, 5\alpha, 7\alpha) - (\alpha' S, 5'\alpha, 7'\alpha) -$ (9CI) (CA

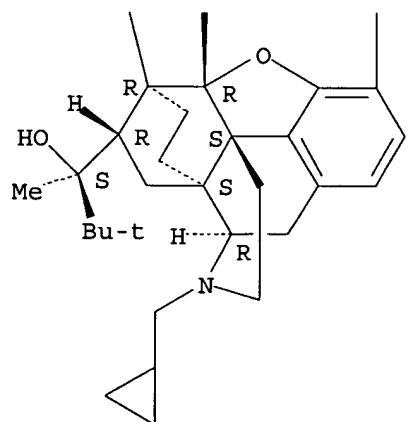
INDEX NAME)

Absolute stereochemistry.

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L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
 GI

10645557

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Disclosed herein are novel buprenorphine monocarboxylic ester derivs., such as I [R = straight-chain or branched saturated or unsatd. aliphatic group optionally substituted with an aryl group, or an aryl group optionally substituted with straight-chain or branched saturated or unsatd. aliphatic group; with the proviso that R is not selected from Me, Et, (CH)2Me, (CH)3Me, (CH)4Me, (CH)5Me, CH(Me)2], and dibuprenorphine dicarboxylic ester derivs., such as II [R1 = divalent moiety of a saturated or unsatd. aliphatic group optionally substituted with Ph group], which exert a longer analgesic effect as compared to buprenorphine hydrochloride. Also disclosed are the processes for synthesizing I and II, and long-acting analgesic pharmaceutical comps. containing a compound selected from buprenorphine base and the novel ester derivs. of buprenorphine. Thus, dibuprenorphine pimelate II [R1 = (CH2)5], prepared by the reaction of buprenorphine hydrochloride and pimelic dichloride, exhibited analgesic duration for 72 h at a dose of 0.3 μ M/kg.

AN 2004:427626 CAPLUS

DN 140:423853

TI Preparation and long acting analgesic pharmaceutical composition of ester derivs. of buprenorphine

IN Wang, Jhi-joung

PA Chi Mei Foundation Medical Center, Taiwan

SO Eur. Pat. Appl., 51 pp.

CODEN: EPXXDW

DT Patent

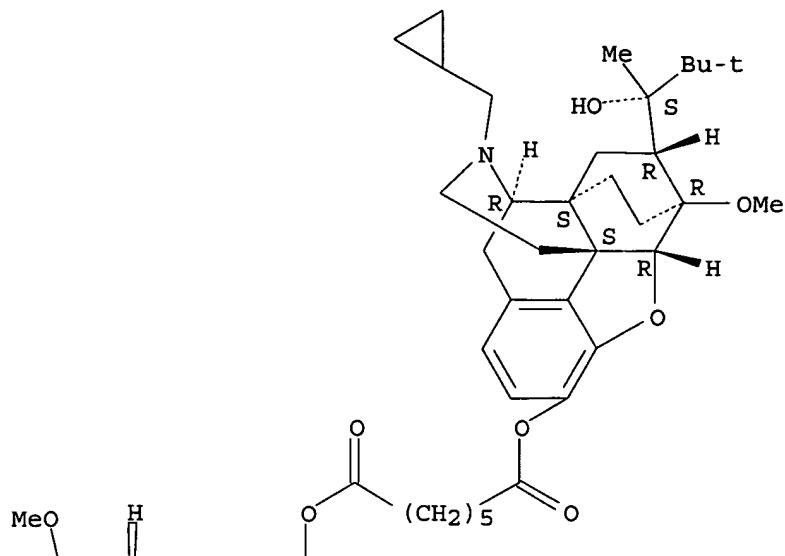
LA English

FAN.CNT 1

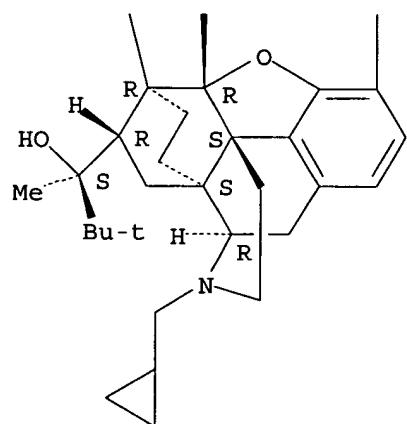
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PI	EP 1422230	A1	20040526	EP 2002-258083	20021125
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	CN 1500786	A	20040602	CN 2003-178705	20030715
	US 2005075361	A1	20050407	US 2003-645557	20030822
PRAI	US 2002-291614	A	20021112		
	EP 2002-258083	A	20021125		
OS	MARPAT 140:423853				
IT	693242-79-4P, Dibuprenorphine pimelate 693242-80-7P, Dibuprenorphine sebacyl ester				
	RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(preparation and analgesic pharmaceutical composition of ester derivs. of buprenorphine)				
RN	693242-79-4 CAPLUS				
CN	6,14-Ethenomorphinan-7-methanol, 3,3'-(1,7-dioxo-1,7-heptanediyl)bis(oxy)bis[17-(cyclopropylmethyl)- α -(1,1-dimethylethyl)-4,5-epoxy-18,19-dihydro-6-methoxy- α -methyl-, (α S,5 α)-(α 'S,5' α ,7' α)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.

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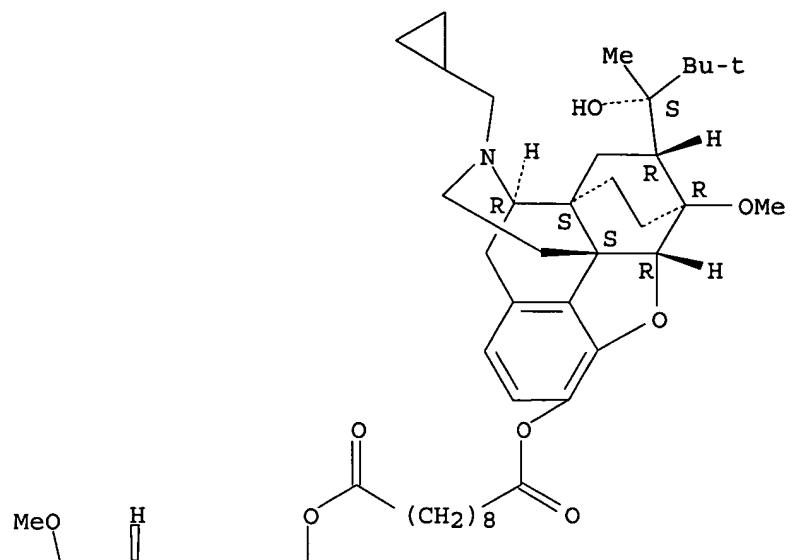


RN 693242-80-7 CAPLUS

CN 6,14-Ethenomorphinan-7-methanol, 3,3'-[(1,10-dioxo-1,10-decanediyl)bis(oxy)]bis[17-(cyclopropylmethyl)- α -(1,1-dimethylethyl)-4,5-epoxy-18,19-dihydro-6-methoxy- α -methyl-,
 $(\alpha S,5\alpha)-(\alpha' S,5'\alpha,7'\alpha)-$ (9CI) (CA
INDEX NAME)

Absolute stereochemistry.

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